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Bibliographic data: JP62126127 (A) — 1987-06-08

PRODUCTION OF SUSTAINED RELEASE PHARMACEUTICAL OF ISOSORBIDE DINITRATE

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Classification: - **international:** **A61K31/21; A61K31/34; A61K47/00; A61K47/32; A61K47/34; A61K47/38; A61K9/50; A61P9/04; (IPC1-7): A61K31/21; A61K47/00; C07C77/02**

- **European:**

Application number: JP19850266599 19851126

Priority number(s): JP19850266599 19851126

Also published as: JP6084299 (B) JP1955476 (C)

Abstract of JP62126127 (A)

PURPOSE: To readily obtain the titled pharmaceutical, by applying isosorbide dinitrate to a granular carrier and spray coating the resultant composition with a specific spray solution. **CONSTITUTION:** Mixed powder consisting of isosorbide dinitrate and an excipient, e.g. lactose, etc., in small portions is added to a granular carrier e.g. white sugar, having 14-42 mesh grain size while spraying an aqueous solution of a binder, e.g. hydroxypropyl cellulose, etc., to give a composition. In the process, the ratio of the isosorbide dinitrate in the mixed powder is 20-50wt%. The above-mentioned composition is then spray coated with a spray solution obtained by mixing and dissolving ethyl cellulose, preferably having 44-61% ethoxy group content in macrogol having 2,600-9,300 average molecular weight at 40:60-60:40 ratio to afford the aimed sustained release pharmaceutical of the isosorbide dinitrate. **EFFECT:** The preparation operation can be readily as well as quickly carried out.

Last updated: 5.12.2011 Worldwide Database 5.7.31; 92p